

Formula Name : A.M. Circulator Serum

Lot.No.51-PWS-33

(NIKKOL Nikkomulose SE-WR: 4.5%)

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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
A				
(Please contact us)	NIKKOL Nikkomulose SE-WR	Emulsifier, Thickener	NIKKO CHEMICALS	4.5000
Propanediol		Moisturizer		5.0000
Fragrance				0.1000
Phenoxyethanol		Antimicrobial agent		0.4000
B				
Water				39.0500
Potassium Hydroxide,Water	(1% aq.)	Neutralizer		2.0000
C				
Dimethicone	SILICONE HL-88	Emollient agent, Texturizer	NIKKO CHEMICALS	0.5000
Dimethicone	KF-96A-6cs	Emollient agent	Shin-Etsu Chemical	1.0000
Dimethicone	KF-96A-50cs	Emollient agent	Shin-Etsu Chemical	1.0000
Diphenylsiloxy Phenyl Trimethicone	KF-56A	Emollient agent	Shin-Etsu Chemical	1.0000
Cetyl Ethylhexanoate	NIKKOL SG-CIO	Emollient agent	NIKKO CHEMICALS	1.0000
D				
Potassium Hydroxide,Water	(1% aq.)	Neutralizer		6.4000
E				
Alcohol		Freshener		5.0000
Glycerin		Moisturizer		15.0000
PEG-6,PEG-32		Moisturizer		0.5000
Disodium EDTA		Chelating agent		0.0500
Water				5.0000
F				
Alpinia Speciosa Leaf Extract,Water,Butylene Glycol	ALPINIA LEAF EXTRACT BG	Anti-wrinkle, Anti-aging, Brightening	Maruzen Pharmaceuticals	1.0000
Melissa Officinalis Leaf Extract,Butylene Glycol,Water	LEMON BALM EXTRACT RA	Anti-wrinkle, Anti-aging	Maruzen Pharmaceuticals	1.0000
Rhodomyrtus Tomentosa Fruit Extract,Water,Butylene Glycol	ROSE MYRTLE EXTRACT BG80	Antioxidant, Anti-inflammatory	Maruzen Pharmaceuticals	1.0000
Water,Sea Water,Pullulan,Hydrolyzed Rhodophyceae Extract,Xanthan Gum	BarPull	Moisturizer, Anti-wrinkle, Film former	Barnet Products	3.0000
Blue 1,Water	(0.01% aq.)	Organic synthetic dye		1.5000
Water				5.0000
			Total	100.0000
Procedure				
1. Stir A, B C, E and F respectively until uniform at room temperature.				
2. Add A into B and mix until uniform with homogenizer.				
3. While stirring A+B by homogenizer, add C into A+B gradually and emulsify for a certain period of time.				
4. While stirring A+B+C by paddle-mixer, add D, E and F into A+B+C gradually and mix until uniform.				
Physical Properties			Stability	
Initial viscosity (B type Viscometer, No.4 6rpm, 30sec.) : 20000 ~ 30000 mPa · s			on going	
pH(bulk) : 7.5 ~ 8.0				

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We do not guarantee the stability of the final products of formulations in this brochure though the stability was checked under certain conditions.

We do not guarantee the preservation property of this formulation as we do have not checked it.

We do not guarantee that this formulation does not conflict with any patent.

It is users' responsibility to determine the suitability for their own use of the formulation.